**JOB DESCRIPTION**

**Ref:**

**Job Title: Post Doc for climate services**

**About BSC:**

**BSC-CNS (Barcelona Supercomputing Center – Centro Nacional de Supercomputación) is the National Supercomputing Facility in Spain and was officially constituted in April 2005. BSC-CNS manages MareNostrum, one of the most powerful supercomputers in Europe, located at the Torre Girona chapel. The mission of BSC-CNS is to investigate, develop and manage information technology in order to facilitate scientific progress. BSC combines HPC service provision and R&D into both computer and computational science (life, earth and engineering sciences) under one roof and currently has over 400 staff from 41 countries. To get an idea of what it’s like to work at the BSC take a look at this video:** [**https://www.youtube.com/watch?v=VRkEii7OzRE**](https://www.youtube.com/watch?v=VRkEii7OzRE)

**The aim of the Earth System Services Group (ESS) within the Earth Sciences Department is to research the impact of weather, atmospheric chemistry and climate upon socio-economic sectors such as renewable energy, agriculture and urban development and demonstrate the ongoing value of earth system services to society and the economy.**

**Context and Mission:**

**The ESS group seeks a climate scientist with interest in climate services to work with both renewable energy and agriculture sectors.**

**The person appointed will be involved in the EU and national-funded projects such as the New European Wind Atlas project (NEWA) and Horizon 2020 projects (VISCA and IMPREX). His/her activity will be positioned within the context of WMO’s Global Framework for Climate Services (GFCS). The aim of such projects and the GFCS is to advance climate predictions to provide actionable sub-seasonal to decadal climate information to key sectors of society. This position therefore presents the opportunity to work alongside a wide range of leading, international climate scientists delivering cutting-edge climate science and climate services across Europe. The incumbent will enjoy joining one of the leading and most dynamic European groups in the field of climate prediction for climate services.**

**Successful candidates will benefit from expert training and BSC-CNS staff benefits: international multidisciplinary scientific environment and advanced applied research training. We encourage applications from highly motivated candidates with demonstrated experience in climate science and interest in applied research projects within the context of climate services.**

**Key Duties/work tasks**

* **Perform user-oriented research, understand user needs and facilitate technology transfer.**
* **Perform statistical data analyses and disseminate the results in peer-reviewed scientific papers and international conferences.**
* **Actively participate in the management of work packages in EU projects (participate in teleconferences, workshops, meetings and writing deliverables).**
* **Interact with scientists in the group and the department to favor synergies.**
* **Apply for competitive grants and projects.**

**Minimum Job Requirements**

* Ph.D. in atmospheric sciences, applied statistics or related field.
* **Experience handling, analysing and validating large climate model datasets.**
* **E**xperience with climatic statistical analyses.
* **Proficiency in scientific programming in a suitable language (e.g. R, Python, Matlab) and familiarity with** working in a UNIX environment.
* **Excellent written and verbal communication skills in English,** especially for scientific publications.
* **Ability to work in a professional environment within a multidisciplinary and international team.**

**Skills that will be valued**

* + **Experience working with seasonal climate predictions or climate change projections.**
  + **Experience in developing tailored indicators to specific sectors, such as energy or agriculture.**
  + **Knowledge of tropical/extratropical teleconnections (ENSO, NAO, EA, EATL/WRUS, SCAND, MOI).**
  + **Experience in energy or agriculture companies and consultancy companies.**

**Conditions**

The position will be located at BSC within the Earth System Services (ESS) group of the BSC-ES department. The contract will be for 12 months with possibility of contract renewal depending on the candidate’s performance.

**Applications Procedure**

All applications must be applied in LINK including:

1. A motivation letter
2. A full CV including contact details
3. Two reference CONTACTS

**Diversity and Equal Opportunity Employment**

BSC-CNS is an equal opportunity employer committed to diversity and inclusion. We are pleased to consider all qualified applicants for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or any other basis protected by applicable state or local law.

***OTHER DETAILS INTERNAL USE:***

***Duration of the contract:*** *12 months with possibility to extend it*

***Funding Project: to be defined***

***Salary Range: (To be confirmed with HR)*** *: to be defined*

*Distribution lists:*

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